

Amdt. dated August 23, 2004
Reply to Office action of 07/09/2004

Serial No. 09/627,662
Docket No. CA990022US1
Firm No. 0055.0022

Amendments to the Specification

Please replace the paragraph starting on Page 6, Line 13, with the following rewritten paragraph:

The preferred embodiment of the invention is shown in the drawings, wherein:

Figure 1 is a block diagram showing the data structures used by the preferred embodiment in a data roll forward.

Figure 2 is a block diagram showing the data structures used by the preferred embodiment prior to data being loaded into a database in the preferred embodiment.

Figure 3 is a block diagram showing the data structures used by the preferred embodiment during data being loaded into a database in the preferred embodiment; and

Figure 4 illustrates operations, in accordance with certain embodiments.

Please replace the paragraph starting on Page 11, Line 18 with the following rewritten paragraph:

As is apparent, in both the data recovery and roll forward operations, and in the data load operation, the use of the heuristic determination function $F(S_i)$ is available in the system of the preferred embodiment. The function will be used (FIG. 4: reference numerals: 38, 40, 42, 44) to select (FIG. 4: reference numeral 40) incremental updating (FIG. 4: reference numeral 42) index 14, or alternatively to select a full rebuilding (FIG. 4: reference numeral 44) of index 14. In the

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system of the preferred embodiment, the user may either manually select incremental or full rebuilding modes or may select a system option to have the system itself use the heuristic determination function $F(S_i)$ to make the selection.

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Amendments to the Drawings

The attached sheet (labeled sheet 3/3) of drawings includes a newly added FIG. 4.

Attachment: Added sheet (labeled 3/3)